

INTERMEDIATE ENVIRONMENTAL MANAGEMENT (IEM)

Hazardous Waste Supervisor (HWS)

- Any First Line Supervisor of HWH
- May Perform Duties of the HWH
- May Temporarily Serve as the HWC with Special Approval
 - May Conduct Monthly HM Site Inspections
 - May Conduct Weekly HW Site Inspections for the HWC

Environmental Laws and Regulations



ACTIVITY POLICIES

INSTALLATION POLICIES

CITY OR COUNTY

STATE LAWS AND REGULATIONS

FEDERAL LAWS AND REGULATIONS

The Key Regulations

- Resource Conservation & Recovery Act (RCRA)
- Virginia Hazardous Waste Management Regulations
- Virginia Solid Waste Management Regulations
- Federal Facilities Compliance Act
- Occupational Safety and Health Administration
- Department of Transportation

What's the Difference?

■ Hazardous Material

- Any Serviceable Material or Product Which Has a Chemical, Physical, or Health Hazard.

■ Hazardous Waste

- A Discarded Product That Could Cause Injury or Death; Damage or Pollute the Air, Land, Water.















Hazardous Waste - What is it?

- *Material That Is No Longer Usable*
- Solid Waste
- Appears on Any One of Four EPA Lists of HW
OR
- Exhibits General Hazardous Characteristics

Listed vs. Characteristic Wastes

■ Listed Waste

- Unused/Pure Products
 - "P" Listed (Acutely HW) and "U" Listed (Toxic HW)
- Used / Spent Products
 - "F" Listed and "K" Listed

■ Characteristic Waste

- Ignitable
- Corrosive
- Reactive
- Toxic

Keep in Mind

- Highly Regulated
- Planning: Plan Ahead
- Paperwork / Record Keeping

👉 Document

👉 Document

👉 Document



Accumulation Site Management

- Temporary Storage Sites (TSSs)
- Satellite Accumulation Sites (SASs)
- All Site Actions - Must Be Approved



TSSs - Temporary Storage Sites

- Located at Distance From Generation Point
- Receives Wastes From Multiple Sites
- Any Quantity of Wastes
- **Accumulation Start Date (ASD) - First Drop in Container**
- **Must Be Turned-in to HWAF Within 14 Days**

SASs - Satellite Accumulation Sites

- Wastes From, At, or Near the Point of Generation
(Only One Generator)
- Quantity Limitation
- **ASD Applied When Container Is Full & Ready for Turn-in**
- **Must Be Turned-in to a TSS or HWAF Within 3 Days After the ASD Is Annotated**

Storage Sites



Storage Site Inspections

- Each HW Site Inspected at Least Weekly
 - TCFE Form 6036, *Weekly HW Accumulation Site Inspection*
- Check For:
 - Quantities Do Not Exceed Storage Limits
 - Containers Are in Good Condition and Properly Labeled
 - Serviceable Fire Extinguisher, Spill Kits

WEEKLY HW ACCUMULATION SITE INSPECTION

Generating Activity: _____	Authorized Site No. _____	TSS <input style="width:40px;" type="text"/>	SAS <input style="width:40px;" type="text"/>	HWAF <input style="width:40px;" type="text"/>	
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INSPECTION ITEMS: **Weekly inspections must be conducted within 7 calendar days of last inspection.**

<ol style="list-style-type: none"> 1. Does area have signs indicating the type of HW storage? 2. Does area have "No Smoking" signs? 3. Does area have "Unauthorized Personnel Keep Out" signs? 4. Does area have sign for Emergency Notification Instructions? 5. Does site have copy of Contingency Plan (CP) posted? 6. Does site have adequate aisle space? 7. Is communication equipment (telephone, radio, etc) available and operational? 8. Are fire extinguishers available? Charged? Seals intact? 9. Is spill kit available and serviceable? 10. Are drums available for overpacking leaking containers or spills? 11. Are wastes stored with adequate containment? Sheltered from environment? 12. Are the containers DOT approved? 13. Are the containers serviceable? (Free of dents, rust, leaks, etc.) 14. Are bungs/rings secured? Are containers tightly closed? 15. Is a Container Contents Log present & complete for each container? 	<ol style="list-style-type: none"> 16. Is the AUL present? Are MSDSs present for all waste streams? 17. Are containers properly labeled as required? (HW, NHW, DOT, Empty, etc) 18. Are the containers compatible with the stored materials? 19. Are wastes separated from serviceable materials? 20. Are incompatible wastes separated from other wastes? 21. Does container have unique container number? 22. Is correct generator or shipper address present? 23. Is DOT proper shipping name on HW labels? 24. Is DOT UN or NA number correct for HW labels? 25. Are EPA waste codes correct for HW labels? 26. Is accumulation start date on HW labels as required? 27. Is Emergency Eye Wash & Shower Operable? Flushed Monthly? 28. Is PPE (goggles, gloves, boots, respirators, etc.) available/serviceable? 29. Is the area secured when not in use? 30. Are any containers stored longer than 70 days at the HWAF?
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DATE	TIME	NAME OF INSPECTOR	OBSERVATIONS	CORRECTIVE ACTIONS & DATE

Container Storage

- All HW and NHW Must Be Stored in a TSS or SAS
- Do Not Store Containers of Used Oil or other Recyclable Materials in a TSS or SAS
- All Containers Must Be Properly Labeled
- Containers Will Be Stored So Labels Are Readable Without Moving the Container
- Containers Will Be Closed Except for Adding or Removing Materials

Proper Labels

HAZARDOUS WASTE	
FEDERAL LAW PROHIBITS IMPROPER DISPOSAL. IF FOUND, CONTACT THE NEAREST POLICE OR PUBLIC SAFETY AUTHORITY OR THE U.S. ENVIRONMENTAL PROTECTION AGENCY.	
GENERATOR INFORMATION:	
NAME <u>U.S. ARMY TRANSPORTATION CENTER (FORT EUSTIS)</u>	
ADDRESS <u>ATTN: ATZF-PWE, BLDG 1407</u>	PHONE <u>757-878-3915</u>
CITY <u>FORT EUSTIS</u>	STATE <u>VA</u> ZIP <u>23604-5332</u>
EPA ID NO. / MANIFEST DOCUMENT NO. <u>VA8213720321</u>	
ACCUMULATION START DATE _____	EPA WASTE NO. _____
D.O.T. PROPER SHIPPING NAME AND UN OR NA NO. WITH PREFIX	
HANDLE WITH CARE!	
STYLE WMMP	
LABELMASTER® (800) 621-5808 www.labelmaster.com	

U.S. Army Transportation Center Environmental and Natural Resources Division Fort Eustis, Virginia
The contents of this container are awaiting analysis.
Container Number: _____
Contents: _____
Date Generated: _____
Date Analyzed: _____
Generating Activity: _____
POC: _____
Phone: _____
Additional Information: _____

NON- HAZARDOUS WASTE
GENERATOR INFORMATION: (optional)
SHIPPER <u>U.S. ARMY TRANSPORTATION CENTER (FORT EUSTIS)</u>
ADDRESS <u>ATTN: ATZF-PWE, BLDG 1407</u>
CITY, STATE, ZIP <u>FORT EUSTIS, VA 23604-5332</u>
CONTENTS: _____
EPA ID. NO. <u>VA8213720321</u>
NON-HAZARDOUS WASTE
GWMVP-SPEC REV.11-1-92 LABELMASTER® (800) 621-5808 www.labelmaster.com

Accumulation Start Date (ASD)

- Specific Time When Container Must Be Dated
- Time Limits Different for Various Site Types.
 - TSS - 14 Days From the First Drop
 - SAS - 3 Days Once the Container Is Full; or One Year

Container Contents Log (CCL)

- TCFE Form 645
- An Inventory of Wastes As They Accumulate
 - The Contents on the Container Label Must Match the Description on the CCL
 - The CCL Container Number must Match the Container
- Every Time Waste Is Added to the Container It Must Be Recorded on the CCL

CONTAINER CONTENTS LOG

Sheet ____ of ____

1. Container Number: _____		2. Profile No: _____		3. HWAF Doc. Reg. No: _____	
4. Generating Activity: _____				5. Building Number: _____	
6. Authorized Site Number: _____			7. Phone Number of HWC: _____		
8. DOT Proper Shipping Name: _____					
9. DOT Hazard Class: _____		10. DOT ID Number: _____		11. Packaging Group: _____	
12. DOT Container Type: _____		13. Size or Volume: _____			
EPA REQUIRED INFO:		14. Waste Description: _____			
15. ASD: _____		16. EPA Waste Codes: _____			
17. Origin Code: _____		18. Source Code: _____		19. Form Code: _____	
20. Date of Activity	21. Type of Waste (DESCRIPTION OF CONTENTS)	22. Process Generating Waste	23. Name of Person Adding Waste	ESTIMATED QUANTITY	
				24. Pounds	25. Gallons
26. Comments: _____			27. Subtotal of Additional Sheets		
			28. Container Total		
			29. ACTUAL WEIGHT BY HWAF:		
I certify that the contents of this container have been fully and accurately described above and listed IAW all applicable federal, state, and local rules and regulations.					
30. Name of HWC: _____			Signature: _____		Date: _____
31. Name of AEC: _____			Signature: _____		Date: _____

Safety

- Check the CCL Before Adding Any Waste
 - You May Get Dangerous Results
 - May Cost More Money
 - Lab Analysis
 - Disposal
 - Fines

In the Event of an Emergency Call 911

QUESTIONS?